



## Certificate Of Fire Approval

This is to certify that the product(s) detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations for use on offshore units classed with Lloyd's Register, and for use on offshore units and onshore facilities when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

<b>Manufacturer</b>	<b>Helder en May B.V.</b>
<b>Address</b>	Helder & May B.V.Energieweg 6, 4231 DJ Meerkerk The Netherlands
<b>Type</b>	Material Having Low Flame Spread Characteristics & Not Capable Of Producing Excessive Quantities Of Smoke & Toxic Products Of Combustion
<b>Description</b>	Fire- Resisting Material – Type “NAUTEC FS” Deck Covering Material
<b>Trade Name</b>	NAUTEC FS
<b>Specified Standard</b>	IMO Res. MSC.307(88) – (2010 FTP Code) Annex 1, Part 5 and Annex 2.

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register Marine Polska sp. z o. o. of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document and its supplementary Type Approval Terms and Conditions form part of this Certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Al Zwycięstwa 13a, Gdańsk, 80-219, Poland

**Marta Walk**

Fire & Safety - Senior Specialist to Lloyd's Register Marine Polska sp. z o. o.  
A member of the Lloyd's Register group

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**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2435552SF**

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

This Certificate is a Renewal of Certificate Number. **SAS F140288**

**APPROVAL DOCUMENTATION**

**TEST REPORTS**

Exova Warringtonfire Frankfurt, Industriepark Höchst C369, Frankfurt am Main, D-65926, Germany, Fire Test Report No. 2014-1663 dated- 6<sup>th</sup> June 2014.

**CONDITIONS OF CERTIFICATION**

1. When applied to a metallic deck coated with SCHÖNOX SHP primer.
2. Cement based "Nautec FS" coating has a thickness ranging from 3mm up to 15mm with surface density ranging from 5.73 kg/m<sup>2</sup> to 28.4 kg/m<sup>2</sup>.
3. Smoke and toxicity criteria are satisfied by meeting the total heat release (Qt) and peak heat release rate (Qp) as stated in IMO Res.MSC.307(88) -(2010 FTP Code), Annex 1, Part 5 & Annex 2, Section 2.2.
4. Composition of individual coatings to be maintained in production in accordance with originally tested composition formula.
5. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.
6. The certificate holder is solely responsible for the products supplied under this Certificate and to ensure that their products, are fully compliant with the relevant statutory regulations as applicable and are designed, manufactured and installed to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties.



**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR243552SF**

**PLACE OF PRODUCTION**

Schönox GmbH  
Alfred-Nobel-Str. 6  
48720 Rosendahl  
Germany

*M. Walk.*

Marta Walk  
Senior Specialist, Fire & Safety  
Statutory Discipline Team, Marine & Offshore  
Lloyd's Register EMEA

**Supplementary Type Approval Terms and Conditions**

*This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s)*